

Amendments to the Claims:

This listing of claims will replace all prior version, and listings of claims in the application:

1. (Currently Amended) A coaxial line, comprising:
a tubular inner conductor ~~(3)~~; ₁
an outer conductor ~~(1)~~; ₂
a plurality of insulating material struts (5) between the inner conductor and the outer conductor; ₃ and
a plurality of connections for conducting a coolant through the coaxial line,
wherein the inner conductor is configured to permit the coolant to be conducted through the tubular inner conductor ~~characterized in that the coolant may be conducted through the inner conductor (3).~~
2. (Currently Amended) The coaxial line according to ~~Claim 1~~, wherein at least some of the insulating material struts include conduits through which ~~characterized in that~~ the coolant may be supplied and removed ~~via conduits (5.1) incorporated in at least some of the insulating material struts (5).~~
3. (Currently Amended) The coaxial line according to ~~Claim 1 or 2~~, wherein ~~characterized in that~~ the insulating material struts are arranged as tubes ~~(5)~~ which are led outward through the outer conductor ~~(1)~~.
4. (Currently Amended) The coaxial line according to ~~Claim 1 or 2~~, wherein ~~characterized in that~~ the insulating material struts are implemented as full disks ~~(57)~~ having radial conduits ~~(57.1)~~.

5. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 4,~~
~~characterized in that~~ claim 2, wherein the conduits (5.1; 57.1) of the insulating material struts (5;
57) open into a chamber (6) in an inner conductor connecting element (4) at the end of the
tubular inner conductor (3).

6. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 5,~~
~~characterized in that~~ claim 5, wherein a tube (7) of smaller diameter, which is sealed on its face
at both ends, is positioned coaxially in the tubular inner conductor (3), and wherein the annular
space (8) between said tube (7) and the tubular inner conductor (3) communicates with the
conduits (5.1; 57.1) in the insulating material struts (5; 57).

7. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 5,~~
~~characterized in that~~ claim 6, wherein the tube (7) is sealed on its face by a flange (4.2) arranged
on the inner conductor connecting element (4).

8. (Currently Amended) The coaxial line according to ~~Claim 6,~~ wherein ~~characterized~~
~~in that~~ the tube (7) is sealed on its face via flanges (71) which are mounted on the a—particular
inner conductor connecting element in an axially and radially floating manner (41.1, 71.1).

9. (Currently Amended) The coaxial line according to ~~one of Claims 6 through 8,~~
~~characterized in that~~ claim 6, wherein the tube (7) has centering elements (72) on its outer
circumference which rest on the inner wall of the tubular inner conductor (3).

10. (Currently Amended) The coaxial line according to ~~one of Claims 6 through 9,~~
~~characterized in that~~ claim 9, wherein the centering elements (72) are positioned along a spiral
~~(in a screw shape)~~ around the tube (7).

11. (Currently Amended) The coaxial line according to ~~one of Claims 6 through 9,~~
~~characterized in that~~ wherein the centering elements include ~~consist of~~ axially extending webs
(72.1).

12. (Currently Amended) The coaxial line according to ~~one of Claims 6 through 11~~ 9,
~~characterized in that~~ wherein the centering elements are of integral configuration with the tube
(7).

13. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 12,~~
~~characterized in that~~ claim 2, wherein the tubular inner conductor (30) has axial conduits (31) in
its jacket which communicate with the conduits in the insulating material struts.

14. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 13,~~
~~characterized in that it consists of~~ further comprising: a plurality of sections which are separately
coolable ~~separately~~ from one another and are connected electrically and mechanically to one
another (A, B).

15. (Currently Amended) The coaxial line according to ~~Claim 14,~~ claim 14, ~~characterized in~~
~~that~~ wherein the tubular inner conductors (3, 30) of adjoining sections (A, B) of the line are
connectable to one another via complementary plug-in connections.

16. (Currently Amended) The coaxial line according to ~~Claim 15,~~ claim 15, ~~characterized in~~

that wherein the complementary plug-in connection ~~consists of~~ includes a flange plate (10), which terminates the chamber (6) of the inner conductor connecting element (4) and comprises an axially extending first annular shoulder (10.1) which overlaps a second annular shoulder (11.1) on a flange plate (11) of the an adjoining line section and is in turn overlapped to form a contact by a collar (11.2) of axially extending contact springs which concentrically encloses the second annular shoulder (11.1).

17. (Currently Amended) The coaxial line according to ~~Claim 16, characterized in that~~ wherein the free ends of the contact springs of the contact spring collar (11.2) lie in a radial plane which is set back axially in relation to the radial plane containing the face of the second annular shoulder (11.1).

18. (Currently Amended) The coaxial line according to ~~Claims 17, characterized in that~~ wherein the flange plates (10, 11) are screwed to the inner conductor connecting element (4).

19. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 18, characterized in that claim 2, wherein~~ the insulating material struts (5) are led through the outer conductor (1) ~~so they~~ , the insulating material struts floating in the axial direction.

20. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 19, characterized in that claim 3, wherein~~ the end of each insulating material strut (5) led through the outer conductor (1) is enclosed by a guide flange (51), which is held in a recess of the outer conductor in a floating manner in the axial direction, is sealed radially elastically in relation thereto, and is in contact radially elastically therewith.

21. (Currently Amended) The coaxial line according to ~~one of Claims 1 through 20,~~
~~characterized in that~~ claim 1, wherein each of the tubular insulating material struts (5) is held
tiltable in an axial plane with its inner end in the inner conductor connecting element (4) and
with its outer end in the outer conductor wall (4).